ANALYTES DETECTED IN LANDSBURG RIM SOIL SAMPLES[e]

Chemical Name[c]	Method B Screening Value (mg/kg)	LRS-1 (mg/kg)	LRS-2 (mg/kg)	LRS-3 (mg/kg)	LRS-4 (mg/kg)	LRS-5 (mg/kg)	LRS-6 (mg/kg)	LRS-7 (mg/kg)	LRS-8 (mg/kg)	LRS-9[d] (mg/kg)	LRS-10[d] (mg/kg)	LRS-11[c] (mg/kg)
METALS												
ALUMINUM	80000.00	25600	14900	10200	17500	22600	16500	2700	4730	13500	24600	27400
ARSENIC	7.00	6.7	4	8.5	5.3	4.3	16	8.4	8.9	4.4	5.1	4.9
BARIUM	5600.00	182	226	114	119	103	114	28.9	37.4	72.5	123	152
BERYLLIUM	0.23	1	1	0.8	0.7	0.5	1	0.2	0.3	0.4	0.5	0.6
CADMIUM	80.00	0.4	0.3	0.3	0.2	0.3	0.3	ND	ND	ND	ND	0.3
CALCIUM		2410	832	508	1430	2910	2490	93	711	1500	2310	2680
CHROMIUM	400.00	34.7	35.7	33	34	31.8	29.5	9.1	12.8	20.7	30.5	31.2
COBALT	4800.00	10.5	15.8	18.2	9.9	10.2	24.4	1.5	5.5	6.2	7.8	8.8
COPPER	2960.00	33.9	35.8	36.5	27.6	22.6	47.7	6.4	9.7	15	20.9	20.2
IRON		29500	40100	37200	26200	25300	45000	10700	14500	14200	19900	21000
LEAD	250.00	10.1	9.7	16.5	21.6	5.6	12.5	5.4	6.7	6.7	5.3	7.2
MAGNESIUM		2230	1420	892	1870	3950	1930	174	565	2200	3640	3430
MANGANESE	11200.00	844	701	560	446	436	1040	61.7	165	227	332	482
MERCURY	24.00	0.08	0.09	ND	0.07	ND	0.1	ND	ND	ND	ND	0.06
NICKEL	1600.00	36	30	24	25	28	38	2	11	16	26	28
POTASSIUM		1250	1570	1210	1250	880	1670	550	620	640	970	970
SELENIUM	400.00	0.2	ND	0.2	ND	ND	0.2	ND	ND	ND	ND	ND
SILVER	400.00	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SODIUM		113	66	ND	87	130	76	63	ND	77	123	155
THALLIUM	5.60	ND	ND	ND	ND	ND	0.1	ND	ND	ND	0.2	ND
VANADIUM	560.00	55.5	53.5	50.6	45.2	53.2	61.3	15.6	21.7	34.2	51.4	54.9
ZINC	24000.00	89.1	84.4	81	71	43.2	83	13.4	29.2	26.4	40.1	55.1
ORGANICS												
2-TRICHLORO-1,2,2-TRIFLUOROETHA	1000000.00	ND	ND	0.0072J	ND	ND	ND	ND	ND	ND	ND	ND
ACETONE	8000.00	ND	ND	ND	ND	ND	ND	ND	ND	0.0085 J	ND	ND
BIS(2-ETHYLHEXYL)PHTHALATE	71.40	ND	ND	ND	ND	ND	ND	1.9[b]	ND	0.96	ND	ND
BUTYLBENZYLPHTHALATE	16000.00	ND	0.074	ND	ND	ND	ND	ND	ND	ND	ND	ND
AROCLOR-1254	1.60	ND	ND	ND	0.037 J	ND	ND	ND	ND	ND	ND	ND

ND - Not Detected

Shading indicates exceedance of the screening value. Exceedance of a screening value does not necessarily indicate a significant risk or health hazard, only the need to retain the compound for further evaluation.

J - The J qualifier indicates the constituent was analyzed for and detected, but the detection was at a concentration which is less than the Practical Quantitation Limit (PQL) but greater than the Instrument Detectio

[a]Minimum Method B value shown in Table 4-5.

[b]Bis(2-ethylhexyl)phthalate was detected in sample LRS-7, but was not detected by the lab in the blind duplicate of LRS-7.

[c]Some anionic compounds (fluoride, chloride, etc.) were also detected in soil, but the concentrations were several orders of magnitude or more less than the Method B levels.

[d]Background Samples

[e]Sample locations shown in Figure 2-5.